

MATCH LINE - SEE SHEET U-2

**LEGEND**

--- 100 YEAR FEMA FLOOD ZONE

NO.	DATE	REVISION	INIT.
B	5/12/10	DP #2 FOR NYSDEC AND COUNTY REVIEW	
A	4/09/10	DP #2 DRAFT FOR HONEYWELL REVIEW	



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**HONEYWELL INTERNATIONAL, INC.**  
**DP #2**  
**WATER TREATMENT PLANT**  
**TOWN OF CAMILLUS, NEW YORK**

**EFFLUENT PIPELINE PLAN**

**PRELIMINARY**  
**NOT FOR**  
**CONSTRUCTION**  
 DATE: 5/12/10

IN CHARGE OF M.E. REWKOWSKI  
 DESIGNED BY MER CHECKED BY RGD  
 DRAWN BY SLJ/DOK

FILE NO.  
 1163.45613-U3  
 DATE  
 MAY 2010

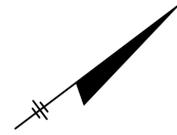
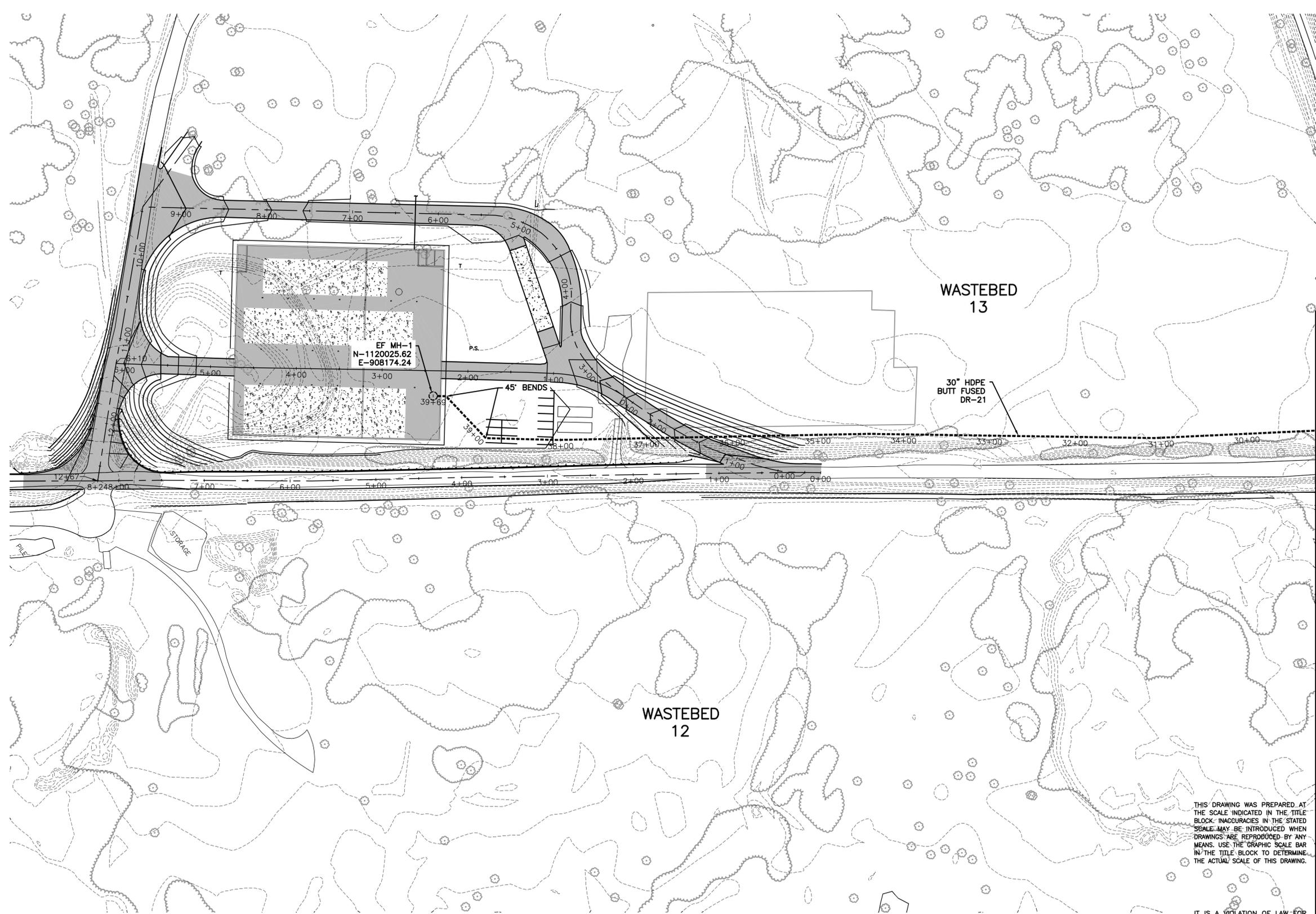
**U-3**

MATCH LINE - SEE SHEET U-4

**PLAN**  
 SCALE: 1"=60'

WASTEBED  
13

WASTEBED  
12



MATCH LINE - SEE SHEET U-3

**LEGEND**

- PROPOSED EFFLUENT PIPELINE (EF)
- PROPOSED EFFLUENT LINE MANHOLE
- █ PROPOSED ANCHOR BLOCK

**NOTE**

1. SEE SHEETS U-5 & U-6 FOR PIPELINE PROFILES.

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**PLAN**  
SCALE: 1"=60'

**PRELIMINARY  
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DATE: 5/12/10



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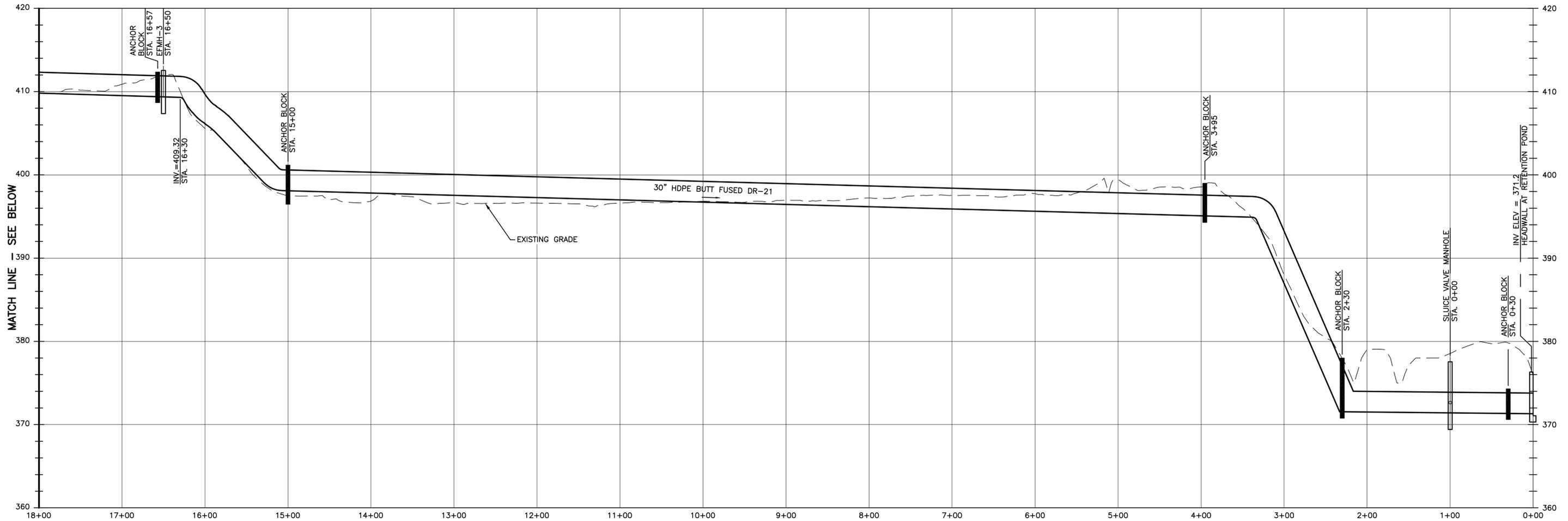
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**DP #2**  
**WATER TREATMENT PLANT**  
**TOWN OF CAMILLUS, NEW YORK**

**EFFLUENT PIPELINE PLAN**

IN CHARGE OF	M.E. REWKOWSKI
DESIGNED BY	MER
CHECKED BY	RGD
DRAWN BY	SLJ/DOK

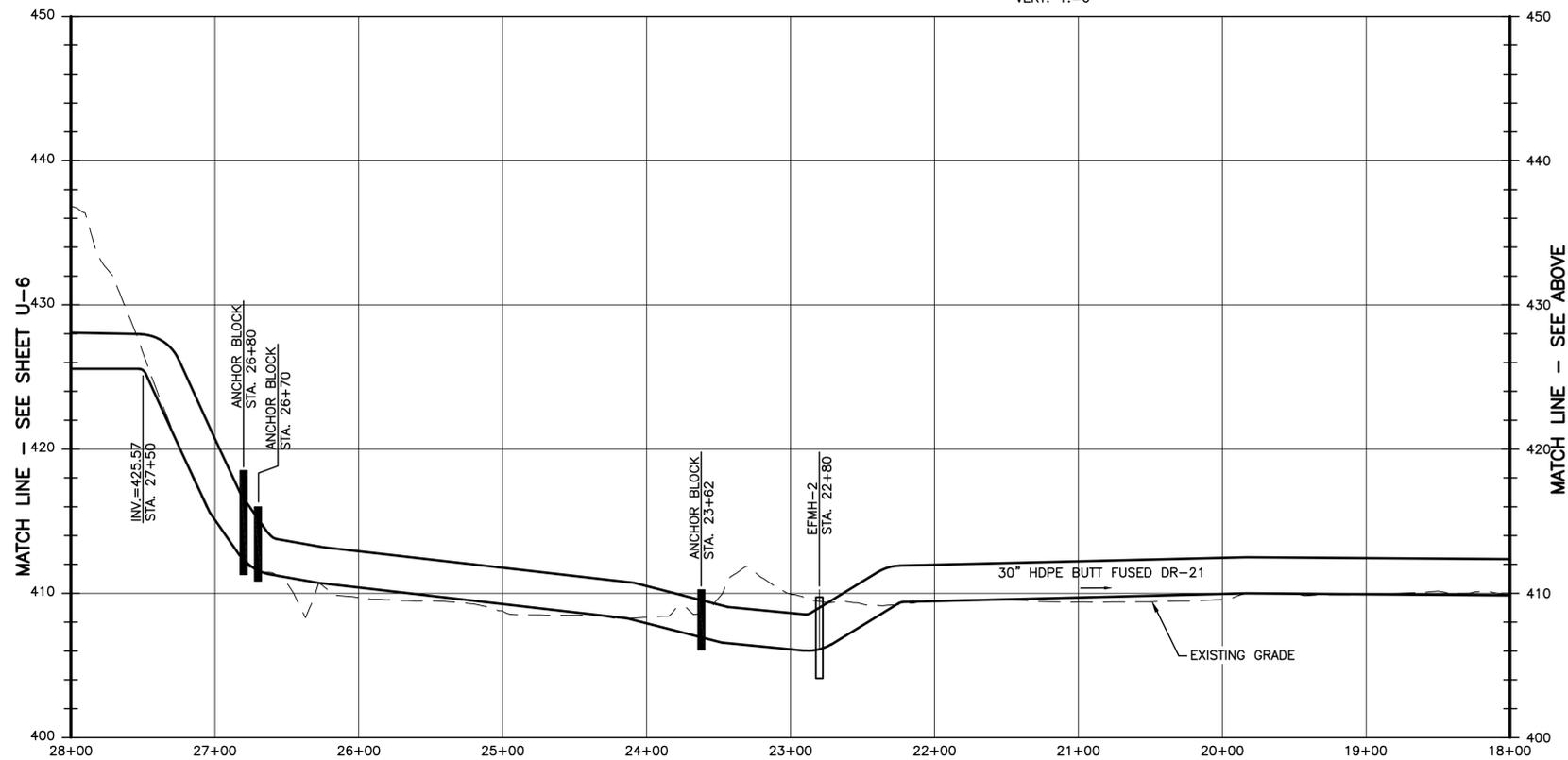
FILE NO.	1163.45613-U4
DATE	MAY 2010

**U-4**



**EFFLUENT PIPELINE PROFILE**

SCALE: HORIZ. 1"=60'  
VERT. 1"=6'



**EFFLUENT PIPELINE PROFILE**

SCALE: HORIZ. 1"=60'  
VERT. 1"=6'

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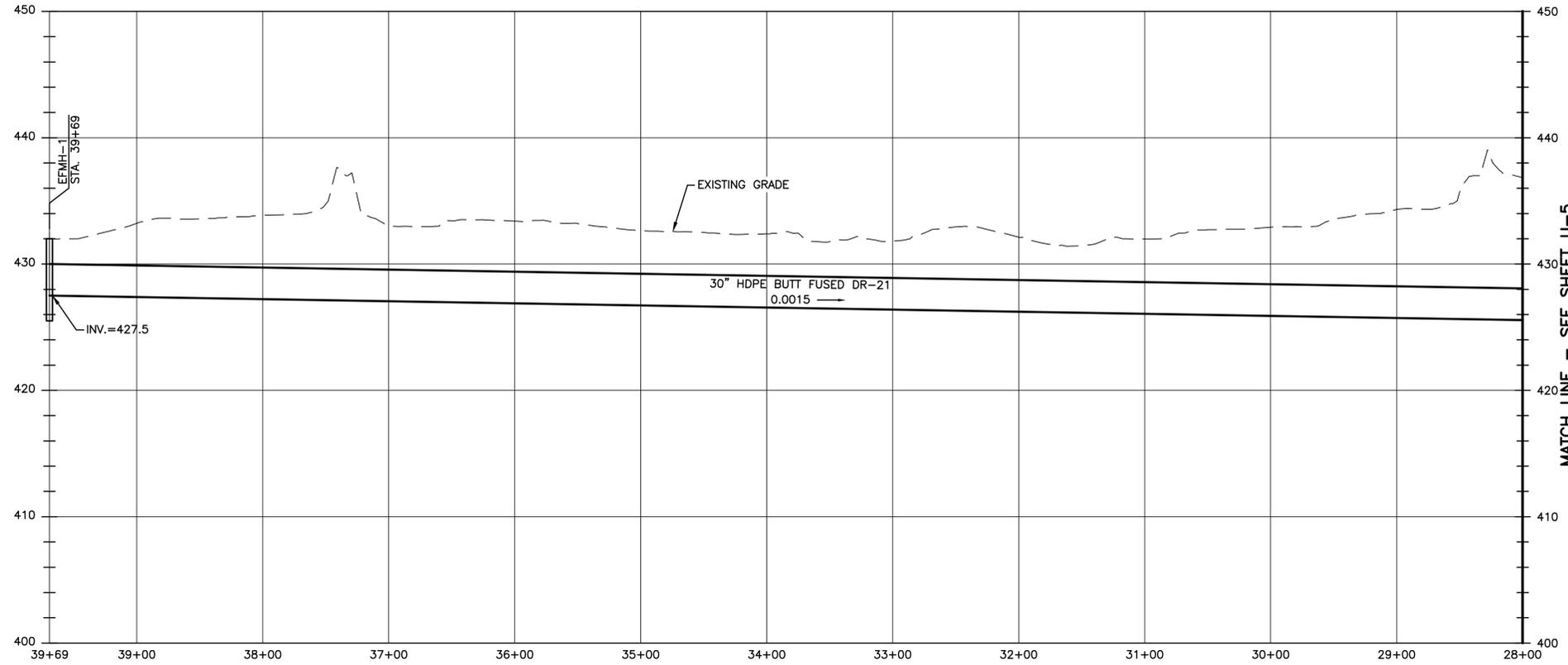
**EFFLUENT PIPELINE PROFILE**

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DATE: 5/12/10

IN CHARGE OF <u>M.E. REWKOWSKI</u>	FILE NO. 1163.45613-U5	<b>U-5</b>
DESIGNED BY <u>MER</u> CHECKED BY <u>RGD</u>	DATE MAY 2010	
DRAWN BY <u>SLJ/DOK</u>		



MATCH LINE - SEE SHEET U-5

**EFFLUENT PIPELINE PROFILE**

SCALE: HORIZ. 1"=60'  
VERT. 1"=6'

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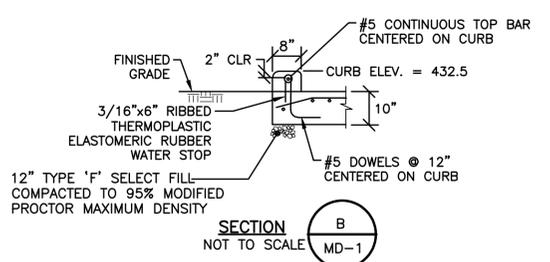
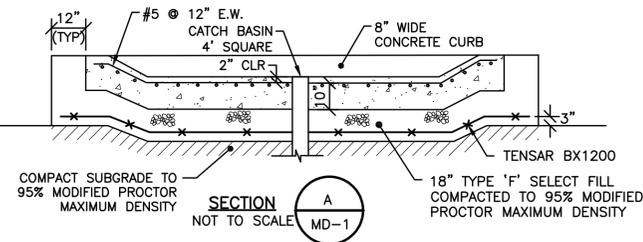
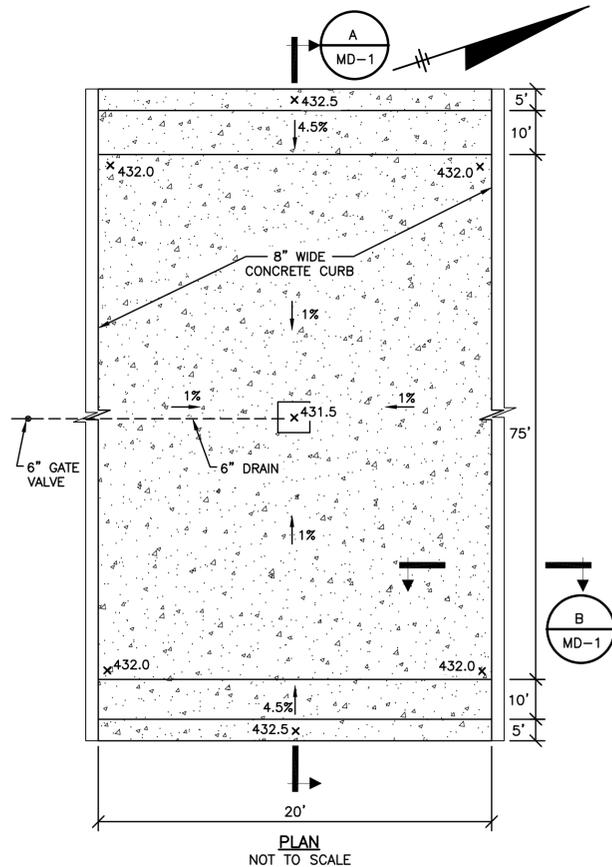


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WATER TREATMENT PLANT  
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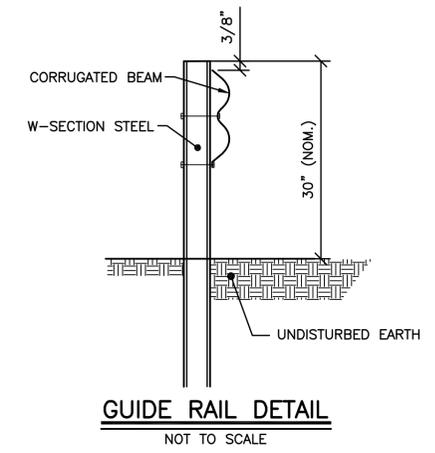
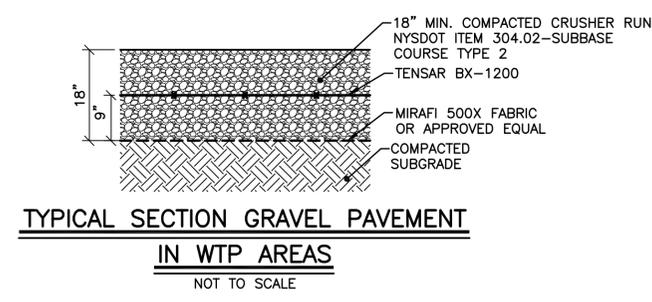
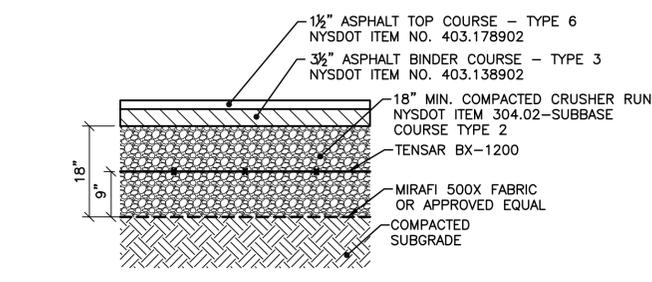
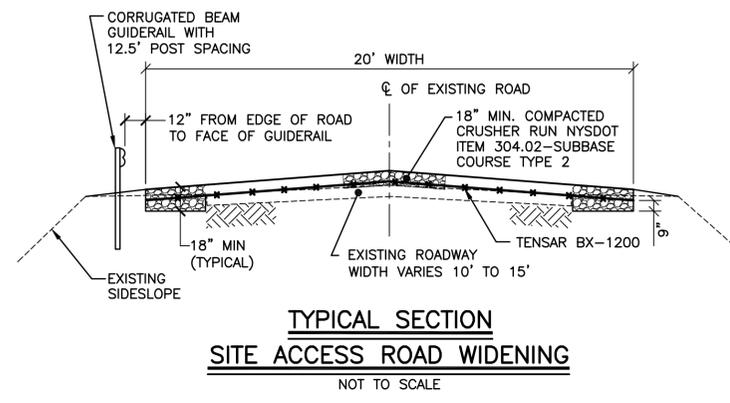
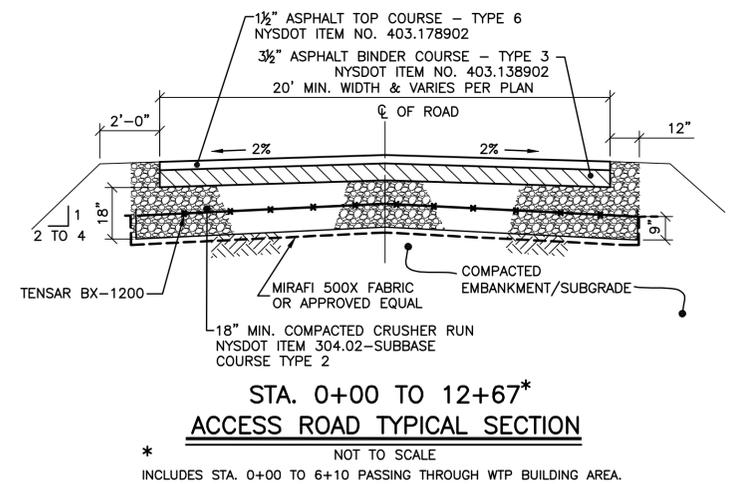
**EFFLUENT PIPELINE PROFILE**

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-U6	<b>U-6</b>
DESIGNED BY	MER	CHECKED BY	RGD	
DRAWN BY	SLJ/DOK	DATE	MAY 2010	



- NOTES:**
- CONCRETE SHALL BE 4500 P.S.I. (MIN.) COMPRESSIVE STRENGTH, AIR ENTRAINED.
  - CONCRETE SURFACE SHALL BE TROWEL FINISHED.
  - MAX SPACING BETWEEN CONTRACTION JOINTS SHALL BE 25'. SEE STRUCTURAL DRAWINGS FOR JOINT DETAILS.
  - PROVIDE SURFACE COATING BY TNEC CO. INC. OR APPROVED EQUAL. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLY COATING TO CONTAINMENT AREA INTERIOR AND INTERIOR OF CB-CA. THE TNEC COMPANY COATING SYSTEM FOR HORIZONTAL AND VERTICAL CONCRETE SURFACES SHALL CONSIST OF THE FOLLOWING.
    - A. SURFACE FILLER: TNEC SERIES 218 MORTAR CLAD.
    - B. PRIMER COAT: 4.0 TO 12.0 MILS DFT, TNEC SERIES 201 EPOXYLINE.
    - C. SECOND COAT: 6.0 TO 12.0 MILS DFT, TNEC SERIES 239SC CHEMTREAD.
    - D. THIRD COAT: 60.0 TO 80.0 MILS DFT, TNEC SERIES 239SC CHEMTREAD WITH EMBEDDED PART D FIBERGLASS MAT.
    - E. FOURTH COAT: 8.0 TO 12.0 MILS DFT, TNEC SERIES 282 TNEC-GLAZE WITH ROLLED ON GRIT ANTI-SKID SURFACE FINISH. ADD SELECTED GRIT TO CREATE NON-SKID SURFACE IN AREAS EXPECTED TO RECEIVE VEHICULAR OR FOOT TRAFFIC.

**CHEMICAL UNLOADING AREA  
CONCRETE PAVEMENT DETAIL**  
NOT TO SCALE



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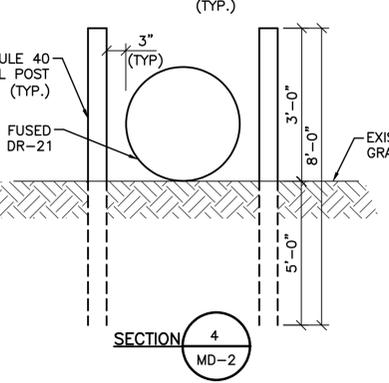
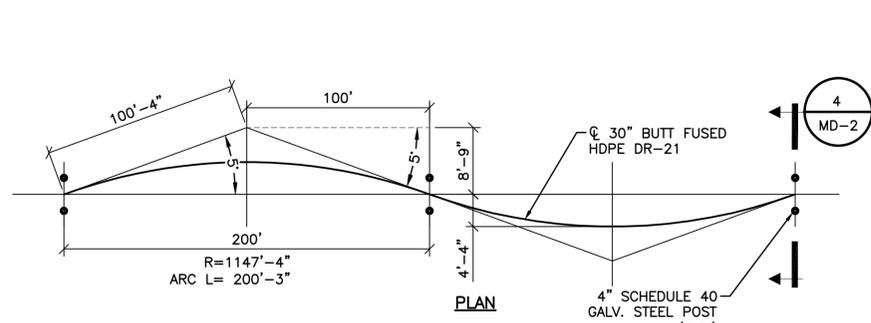
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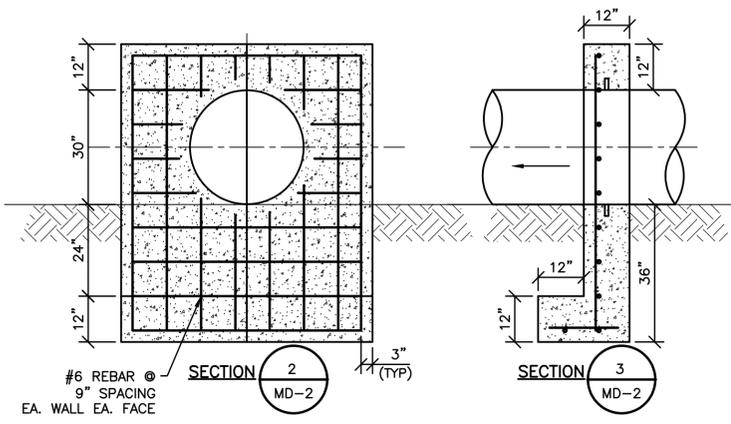
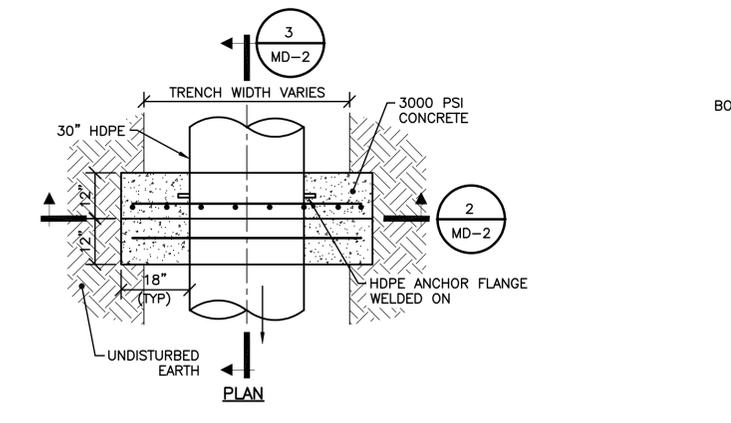
MISCELLANEOUS DETAILS

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-MD1
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	MAY 2010

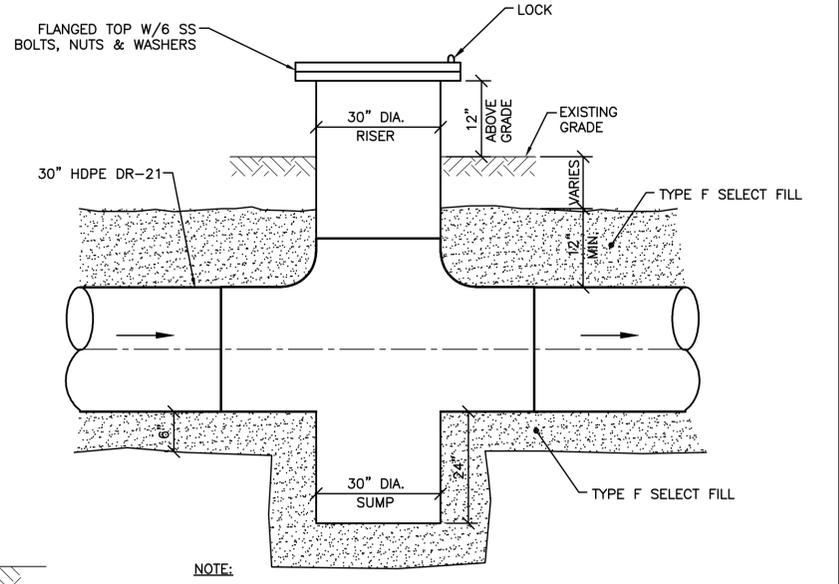
MD-1



**TYPICAL ON GRADE EFFLUENT PIPE INSTALLATION**  
NOT TO SCALE

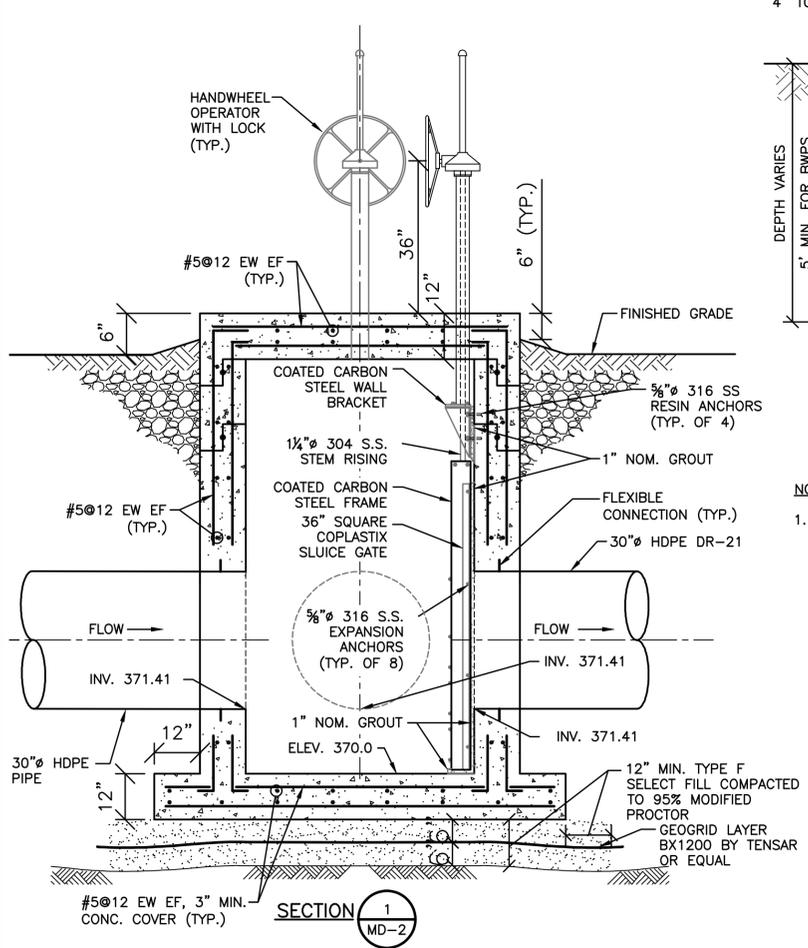
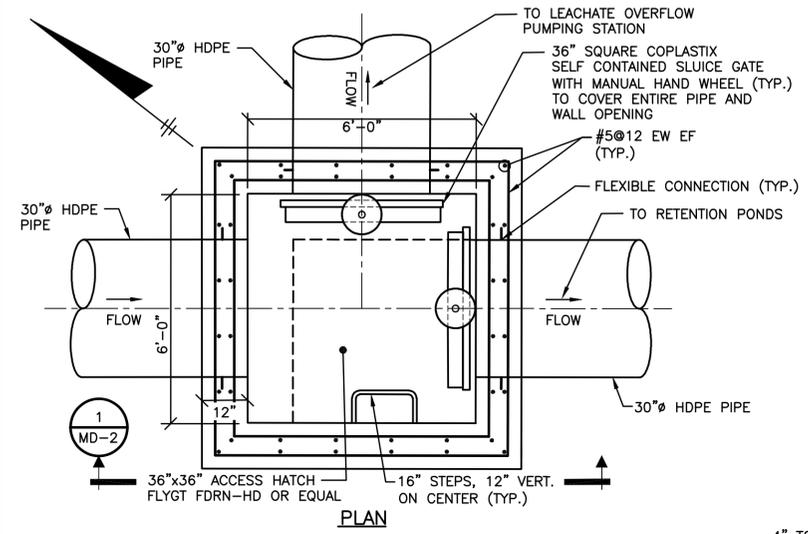


**CONCRETE ANCHOR COLLAR**  
NOT TO SCALE

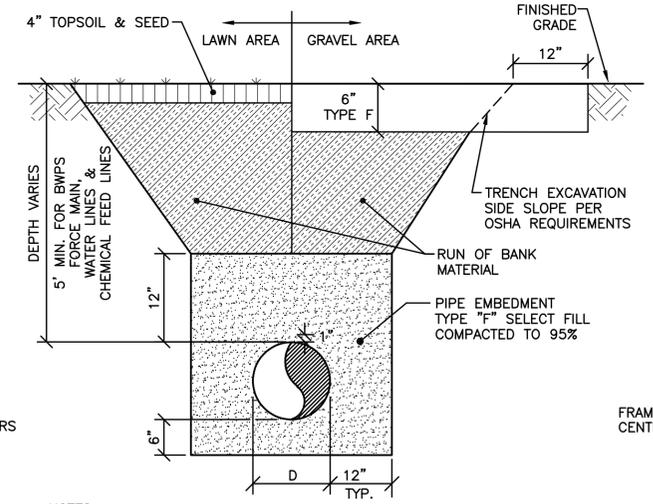


**EFFLUENT PIPELINE MANHOLE DETAIL**  
NOT TO SCALE

NOTE:  
1. ALL COMPONENTS BUTT FUSED.

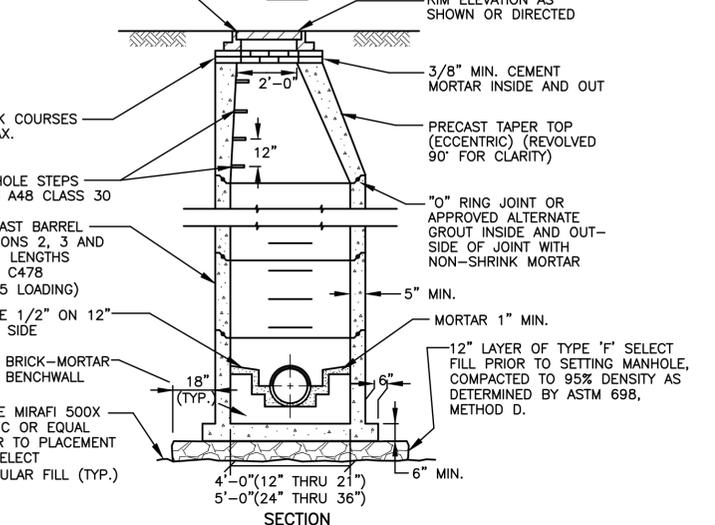
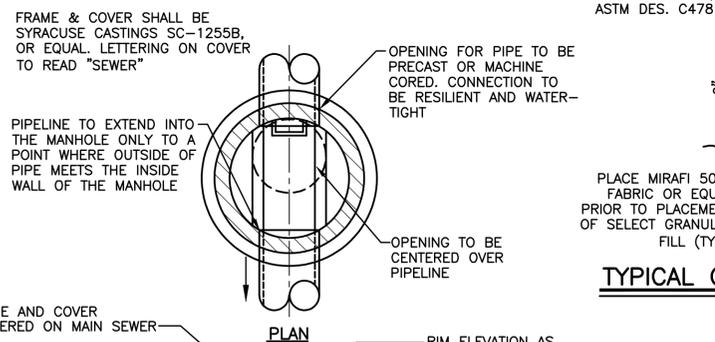


**SLUICE GATE STRUCTURE DETAIL**  
NOT TO SCALE

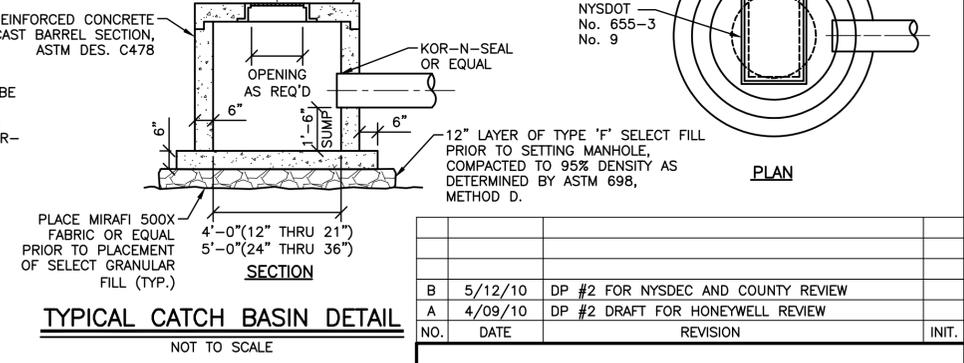


**TYPICAL UTILITY TRENCH DETAIL**  
NOT TO SCALE

NOTES:  
1. CONTRACTOR SHALL RESTORE UNIMPROVED SURFACES WITH TOPSOIL AND SEED.



**STANDARD PRECAST CONCRETE MANHOLE**  
NOT TO SCALE



**TYPICAL CATCH BASIN DETAIL**  
NOT TO SCALE

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DRAWN BY SLJ/DOK	MAY 2010

**MD-2**